

Patent Claims

Sub B¹⁰

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Pyrotechnic primer for igniting propellant powder for sleeveless ammunition, the primer having an ignition element (4) and a coil (1) in which the energy required for triggering is transferred by electromagnetic means (inductively), characterised in that the ignition element (4) and the coil (1) are situated on a common, flat, combustible or consumable support material (5).

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2. Primer according to claim 1, characterised in that the entire support material (5) of the primer consists of combustible or consumable materials, such as e.g. paper or nitro-cellulose.

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Sub A¹

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3. Primer according to claim 1 or 2, characterised in that a three-dimensional cylindrical coil is produced by laying the conductor ends, the ends being in one plane, one on top of the other and making a contact between them, with the remaining ends of the printed circuit traces forming the connection surfaces of the ignition bridge (4).

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4. Primer according to one of claims 1 to 3, characterised in that the electrical printed circuit traces (1) are preferably applied to the support material (5) using a screen-printing process and consist of silver or copper conductive paste.

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